

Summary of Autoguider Wye Cables

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Summary of Autoguider Wye Cables

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Abstract

Wiring diagrams for the autoguider wye cables used on all five mounts are presented.

1 Introduction

The Telescope Wye Cable is used to split the fine and coarse quadrant photodiode signals into two separate branches because they use different connectors on the rear of the Mount Controller. The autoguider telescopes used in our stations are mostly wired differently. The telescope wye cable is adjusted at each station to compensate.

This document details the autoguider wye cable required for the guider head on all five mounts.

The mount controller for Las Campanas [1] was the first to be installed in 2011 May [2]. Following this installation a number of modifications were made [3] and updated units installed in Carnarvon [4], Narrabri [5], and Sutherland [6].

1.1 Telescope Wye Cables

Figure 1 shows the telescope wye cable in Birmingham. Figure 2 shows the telescope wye cable in Las Campanas. Figure 3 shows the telescope wye cable in Carnarvon, Narrabri, and Sutherland.

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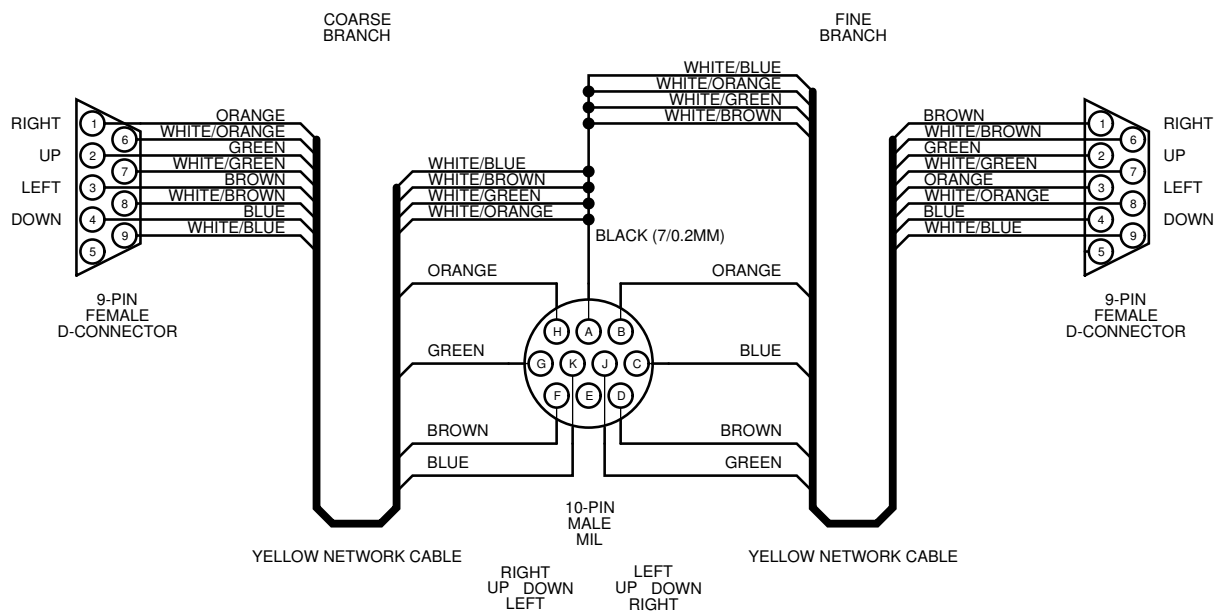


Figure 1: The telescope wye cable in Birmingham.

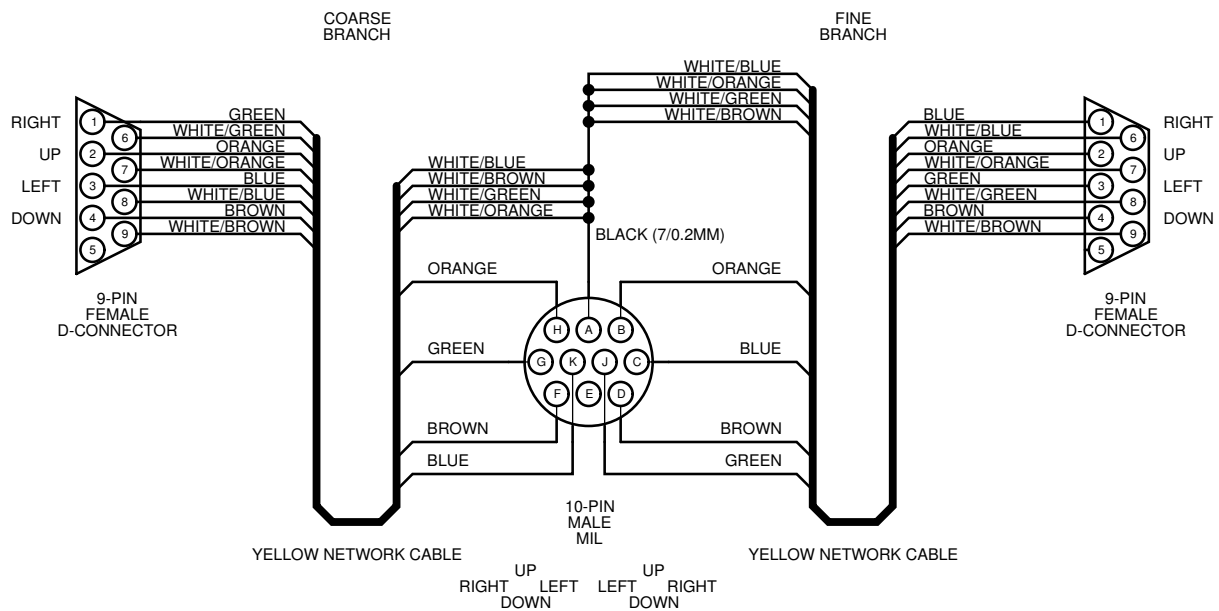


Figure 2: The telescope wye cable in Las Campanas.

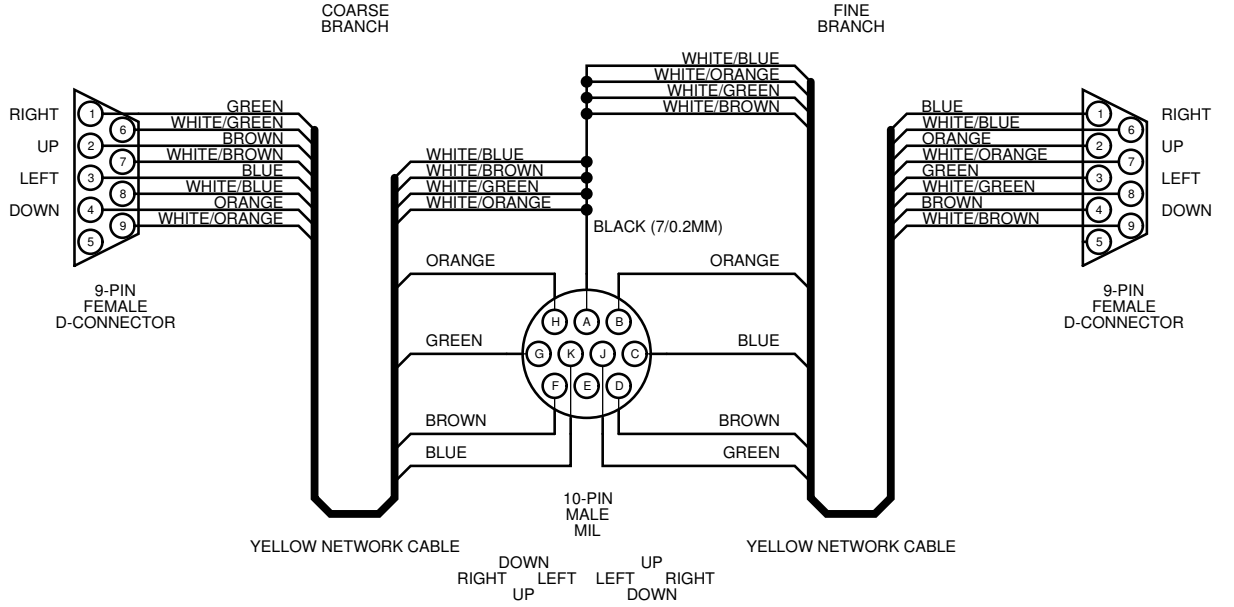


Figure 3: The telescope wye cable in Carnarvon, Narrabri, and Sutherland.

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